CS 4100, Fall 2019
Topic Proposal Guidelines

No two students may work on exactly the same topic. Initiate a "claim" to a topic by uploading your topic proposal to the homework submission system no later than **Friday, September 13th**. Below are format guidelines:

<Your Name>
CS 4100
<Date>
Topic Proposal

<Working Title>

First paragraph: describe your proposed topic.

Second paragraph: discuss which issues you intend to address and emphasize and what you intend to leave out and why.

Additional paragraphs as necessary.

Provide a list of tentative sources in APA format. You must have at least four sources and they must be reliable (peer reviewed, edited, or primary).

http://library.csustan.edu/citation-style.htm

Your claim will be finalized when I approve your proposal; I may ask you for one or more revisions along the way. Topics will be assigned on a first-come-first-served basis. Submit your topic proposal no later than **Friday, September 13th**.

Some approaches to topic selection include:
1. Start with a problem and look at which languages (often special purpose) are used to solve the problem. Consider the design choices made to facilitate solving this type of problem. Some examples might include graphics, teaching, robotics, or mobile devices.

2. Look at how an interesting aspect of programming languages is treated differently in different languages. Some examples could include, data sharing, parameter passing, typing, or scope.

3. Look in depth at a programming paradigm, for example logic or rule based languages, describe the design choices and the types of problems for which it is well suited.